

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

TADASHI SHIRAISHI

JP 000011

SERIAL NO.:

GROUP ART UNIT:

FILED: CONCURRENTLY

EXAMINER:

A REMOTE CONTROL APPARATUS AND A RECEIVER AND AN AUDIO SYSTEM

Commissioner for Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Prior to calculating the filing fee and examination,
please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A remote control apparatus capable of operating and adjusting a multi-channel receiver, said remote control apparatus comprising:

transmitting means for transmitting data to said receiver;
5 at least one microphone for receiving sound outputted from said receiver; and

arithmetic operating means for calculating a state of said receiver from said sound received by said at least one microphone, and for analyzing an adjustment value for said receiver based on a calculation result,

wherein said transmitting means transmits data for initiating adjustment for said receiver and transmits an analysis result obtained by said arithmetic operating means.

2. (Amended) The remote control apparatus as claimed in claim 1, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

3. (Amended) The remote control apparatus as claimed in claim 1, wherein said at least one microphone comprises two microphones.

4. (Amended) The remote control apparatus as claimed in claim 1, wherein said remote control apparatus comprises:

an apparatus main body;

5 first and second microphones arranged to a front portion of said apparatus main body;

first and second rotation holding plates for respectively holding said first and second microphones, said first and second rotation holding plates having partial gear portions formed therein for engaging with each other; and

10 a swiveling knob for engaging at least one of said first and second rotation holding plates, said swiveling knob imparting a swiveling force to said at least one of said first and second rotation holding plate,
wherein said first and second rotation holding plates are pivotably mounted to said apparatus main body such that said plates engage with each other to swivel in opposed directions.

5. (Amended) The remote control apparatus as claimed in claim 1, wherein said remote control apparatus further comprises receiving means for receiving data from said receiver, said data received by said receiving means from said receiver being referred while the state of said receiver is calculated by said arithmetic 5 operating means.

* *

6. (Amended) A receiver operable and adjustable by a remote control apparatus and capable of multi-channel sound outputting, said receiver comprising:

5 receiving means for receiving data from said remote control apparatus; and

controlling means for controlling sound outputs from respective channels,

wherein said controlling means outputs a predetermined test tone from each channel by receiving at said receiving means 10 data for initiating adjustment from said remote control apparatus, and

said controlling means controls a state of each channel in accordance with an adjustment value by receiving at said receiving means said adjustment value from said remote control apparatus.

7. (Amended) The receiver as claimed in claim 6, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

8. (Amended) The receiver as claimed in claim 6, wherein said receiver further comprises transmitting means for transmitting data to said remote control apparatus, said data being required for calculation in said remote control apparatus.

9. (Amended) An audio system comprising
a remote control apparatus capable of operating and
adjusting a multi-channel receiver; and
a receiver operable and adjustable by said remote control
5 apparatus, and capable of multi-channel sound outputting,
said remote control apparatus comprising:
transmitting means for transmitting data to said receiver;
a microphone for receiving sound outputted from said
receiver; and

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arithmetic operating means which calculates the state of
said receiver from the sound received by said microphone and
analyzes an adjustment value for said receiver from a calculation
result,

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said receiver comprising:
receiving means for receiving data from said remote
control apparatus; and
controlling means for controlling sound outputs for
respective channels,

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wherein said controlling means of said receiver outputs a
predetermined test tone from each channel by transmitting data for
initiating adjustment for said receiver from said transmitting
means and receiving data for initiating adjustment by said
receiving means, and transmits an analysis result obtained by said

arithmetic operating means from said transmitting means to said receiver, and said controlling means controls a state of each channel in accordance with an adjustment value received by said receiving means.

10. (Amended) The audio system as claimed in claim 9, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

11. (Amended) The audio system as claimed in claim 9, wherein the audio system further comprises:

transmitting means for transmitting data to said remote control apparatus on said receiver side; and

receiving means for receiving data from said receiver on said remote control apparatus side,

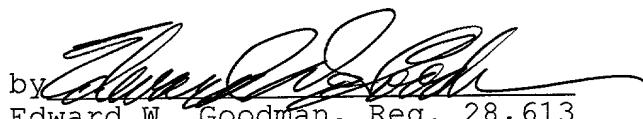
wherein said remote control apparatus and said receiver alternately execute transmission and reception of data while performing adjustment.

REMARKS

The claims have been amended such that they are in proper U.S. format, and to eliminate multiple dependencies.

When the Examiner takes this case up for examination, it is respectfully requested that this Preliminary Amendment be taken into consideration.

Respectfully submitted,

by 
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APPENDIX

1. (Amended) A remote control apparatus capable of operating and adjusting a multi-channel receiver, said remote control apparatus comprising:

transmitting means for transmitting data to said receiver;

5 a-at least one microphone for receiving sound outputted
from said receiver; and

arithmetic operating means for calculating the a state of said receiver from said sound received by said at least one microphone, and for analyzing an adjustment value for said receiver based on a calculation result,

wherein said transmitting means transmits data for initiating adjustment for said receiver and transmits an analysis result obtained by said arithmetic operating means.

2. (Amended) The remote control apparatus according to as
claimed in claim 1, wherein the state of said receiver is at least
one of a distance from a speaker of said receiver to said remote
control apparatus, a frequency characteristic, or a sound pressure
5 level.

3. (Amended) The remote control apparatus according to as claimed in claim 1 or claim 2, wherein a number of said at least one microphone is comprises two microphones.

4. (Amended) The remote control apparatus according to ~~as~~
~~claimed in claim 1 or claim 2, comprising wherein said remote~~
~~control apparatus comprises:~~

an apparatus main body;

5 first and second microphones arranged to a front portion
of said apparatus main body;

first and second rotation holding plates which ~~for~~
respectively hold ~~holding~~ said first and second microphones, ~~said~~
~~first and second rotation holding plates having and to which~~
~~partial gear portions that can be engaged formed therein for~~
~~engaging with each other are formed; and~~

a swiveling knob which engages with ~~for~~ engaging at least
one of said first and second rotation holding plates, ~~said~~
~~swiveling knob imparting to give a swiveling force thereto to said~~
~~at least one of said first and second rotation holding plate,~~
—wherein said first and second rotation holding plates are
pivoted ~~pivotably~~ mounted to said apparatus main body such that
said plates engage with each other to swivel in opposed directions.

5. (Amended) The remote control apparatus according to any of
~~claims as claimed in claim 1 to 4, wherein said remote control~~
~~apparatus further comprising comprises receiving means for~~
receiving data from said receiver, ~~wherein~~ said data received by

5 said receiving means from said receiver ~~is being~~ referred while the
state of said receiver is calculated by said arithmetic operating
means.

6. (Amended) A receiver ~~which is operated and adjusted operable~~
~~and adjustable~~ by a remote control apparatus and capable of multi-
channel sound outputting, said receiver comprising:

5 receiving means for receiving data from said remote
control apparatus; and

controlling means for controlling sound outputs from
respective channels,

wherein said controlling means outputs a predetermined
test tone from each channel by receiving at said receiving means
data for initiating adjustment from said remote control apparatus,
and

15 said controlling means controls ~~the~~ a state of each
channel in accordance with an adjustment value by receiving at said
receiving means said adjustment value from said remote control
apparatus.

7. (Amended) The receiver ~~according to~~ as claimed in claim 6,
wherein the state of said receiver is at least one of a distance
from a speaker of said receiver to said remote control apparatus, a
frequency characteristic, or a sound pressure level.

8. (Amended) The receiver according to as claimed in claim 6 or
claim 7, wherein said receiver further comprising comprises
transmitting means for transmitting data to said remote control
apparatus,

5 wherein said data being required for calculation in said
remote control apparatus is transmitted.

9. (Amended) An audio system comprising:

 a remote control apparatus capable of operating and
adjusting a multi-channel receiver; and

 a receiver which is operated and adjusted operable and
adjustable by said remote control apparatus, and capable of multi-
channel sound outputting,

 said remote control apparatus comprising:

 transmitting means for transmitting data to said receiver;

 -a microphone for receiving sound outputted from said
receiver; and

 arithmetic operating means which calculates the state of
said receiver from the sound received by said microphone and
analyzes an adjustment value for said receiver from a calculation
result,

15 said receiver comprising:

receiving means for receiving data from said remote control apparatus; and

 controlling means for controlling sound outputs for respective channels,

20 wherein said controlling means of said receiver outputs a predetermined test tone from each channel by transmitting data for initiating adjustment for said receiver from said transmitting means and receiving data for initiating adjustment by said receiving means, and transmits an analysis result obtained by said arithmetic operating means from said transmitting means to said receiver, and said controlling means controls the-a state of each channel in accordance with an adjustment value received by said receiving means.

10. (Amended) The audio system according toas claimed in claim 9, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

11. (Amended) The audio system according toas claimed in claim 9 or claim 10, wherein the audio system further comprisingcomprises:

5 transmitting means for transmitting data to said remote control apparatus on said receiver side; and

receiving means for receiving data from said receiver on
said remote control apparatus side,

wherein said remote control apparatus and said receiver
alternately execute transmission and reception of data while
10 performing adjustment.